GODOX TT350S

Godox TT350 Mini Thinklite TTL Flash for Sony Cameras (TT350S) Instruction Manual

Model: TT350S | Brand: GODOX

1. Introduction

The Godox TT350 Mini Thinklite TTL Flash is a compact and versatile lighting solution designed for Sony cameras. It features a built-in 2.4 GHz X radio system for wireless triggering, TTL autoflash, manual flash, multi-flash modes, and High-Speed Sync (HSS) up to 1/8000s. This manual provides essential information for safe and effective use of your flash unit.

2. What's in the Box

Upon unpacking, please verify that all the following items are included:

- 1x Godox TT350 Flash
- 1x Protection Bag
- 1x H-type Bracket
- 1x Filter Set
- 1x White Diffuser
- 1x Mini Stand
- 1x Instruction Manual (this document)



Image: Included components of the Godox TT350 flash, showing the flash unit, mini stand, storage bag, and white diffuser.

3. Product Overview

The Godox TT350S is designed for portability and performance. Key features include:

- **Compact Design:** Small and lightweight, ideal for on-camera use.
- **Integrated 2.4 GHz X System:** Supports wireless master and slave functions.
- **TTL Autoflash:** Automatic flash exposure control.
- **High-Speed Sync (HSS):** Up to 1/8000s for freezing motion and controlling ambient light.
- **Zoom Head:** 24-105mm auto/manual zoom with a 14mm wide-angle panel.
- **Adjustable Flash Head:** Tilts from -7° to 90° and rotates 270°.

- **LCD Panel:** Clear display for easy operation and settings adjustment.



Image: Overview of the Godox TT350 flash, showcasing its compact size and main functionalities such as TTL, HSS, and wireless capabilities.



Image: Close-up views of the TT350 flash, detailing the LED display, adjustable flash head angle, hot shoe contacts, and the pull-out wide-angle diffuser.

4. Setup

4.1 Battery Installation

The TT350 flash operates on two AA batteries (not included). Ensure correct polarity when inserting the batteries.

1. Open the battery compartment cover located on the side of the flash unit.
2. Insert two AA batteries according to the polarity indicators (+/-) inside the compartment.
3. Close the battery compartment cover securely.

Note: For optimal performance and recycle times, Ni-MH rechargeable batteries are recommended.

4.2 Mounting on Camera

Attach the TT350 flash to your camera's hot shoe mount.

1. Slide the flash's mounting foot into the camera's hot shoe.
2. Rotate the locking ring on the flash unit clockwise until it is securely fastened.
3. To remove, rotate the locking ring counter-clockwise and slide the flash off.



Image: The Godox TT350 flash mounted on a camera, illustrating its compact size and hot shoe connection.

5. Operating Instructions

5.1 Power On/Off

Press the power button to turn the flash on or off. The LCD panel will illuminate when powered on.

5.2 Flash Modes

The TT350S supports TTL Autoflash, Manual Flash (M), and Multi Flash (Stroboscopic) modes. Press the **MODE** button to cycle through these modes.

- **TTL Autoflash:** The flash automatically adjusts output for correct exposure.
- **Manual Flash (M):** Manually set the flash power from 1/1 to 1/128 in 1/3 EV steps.
- **Multi Flash:** Fires a series of rapid flashes to capture multiple movements in a single exposure.

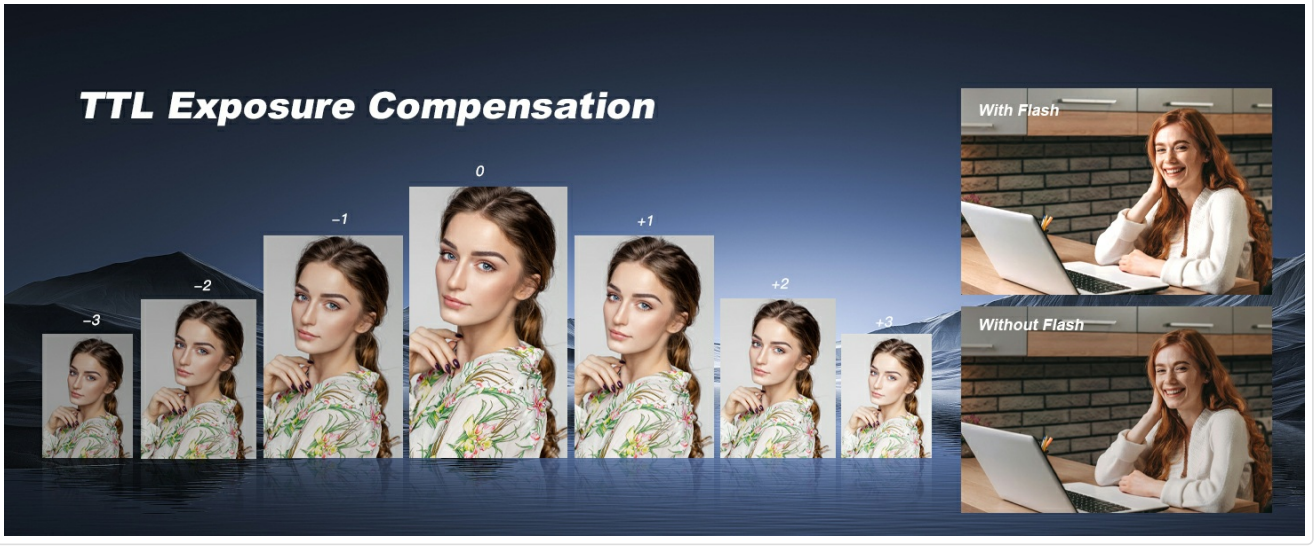


Image: Visual representation of TTL Exposure Compensation, showing how different flash power settings affect image brightness.



Image: Demonstrations of advanced flash modes including High Speed Sync (1/8000s), Multi Flash for motion capture, and Front/Rear Curtain Sync.

5.3 Wireless Operation (2.4G X System)

The TT350S can function as a master or slave unit within the Godox 2.4G X wireless system. It supports 16 channels and 3 groups (A, B, C).

1. Press the **SLAVE** button to toggle between Master, Slave, or Off modes.
2. Use the **GR/CH** button and dial to set the group and channel for wireless communication.
3. Ensure all units (flash and trigger, if used) are set to the same channel and group.

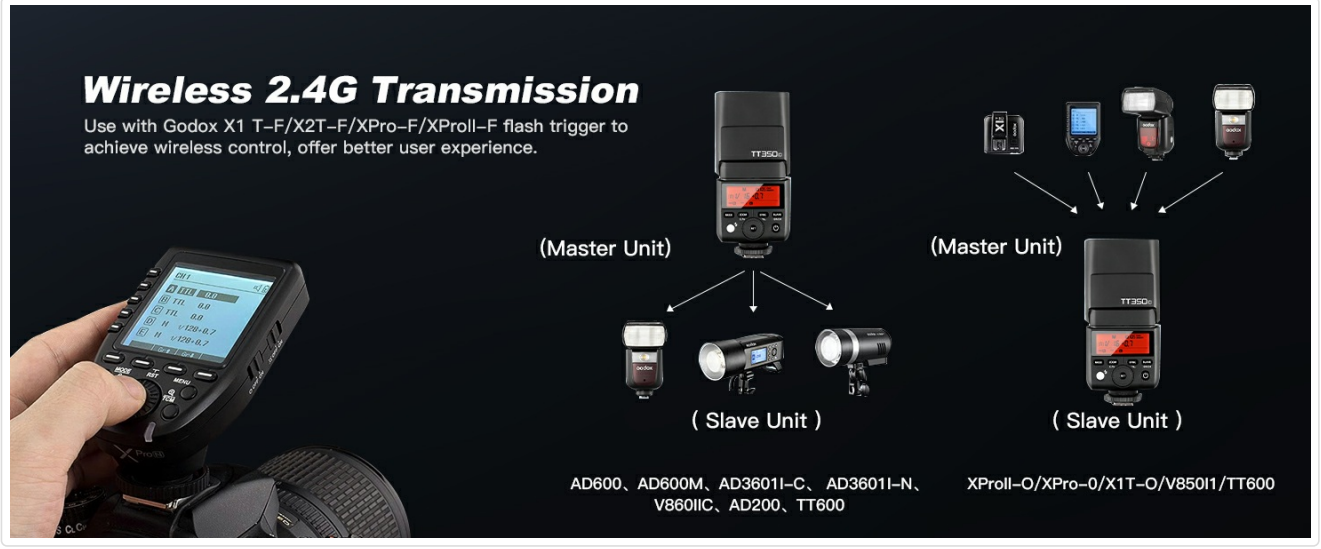


Image: Diagram showing the wireless 2.4G transmission setup, where the TT350 can act as a master or slave unit with other Godox X system devices.

5.4 Zoom Function

The flash head features an auto-zoom function that adjusts the flash coverage (24-105mm) to match the lens focal length. You can also manually adjust the zoom.

1. Press the **ZOOM** button.
2. Rotate the select dial to manually set the desired focal length.



Image: An exploded view of the auto zoom lamp head, showing the Fresnel lens, flash tube, and zoom motor, along with a diagram of focal length coverage from 24mm to 105mm.

5.5 Flash Head Rotation

The flash head can be tilted and rotated to control the direction of light, allowing for bounce flash techniques.

- **Vertical Tilt:** -7° to 90°
- **Horizontal Rotation:** 0° to 270°

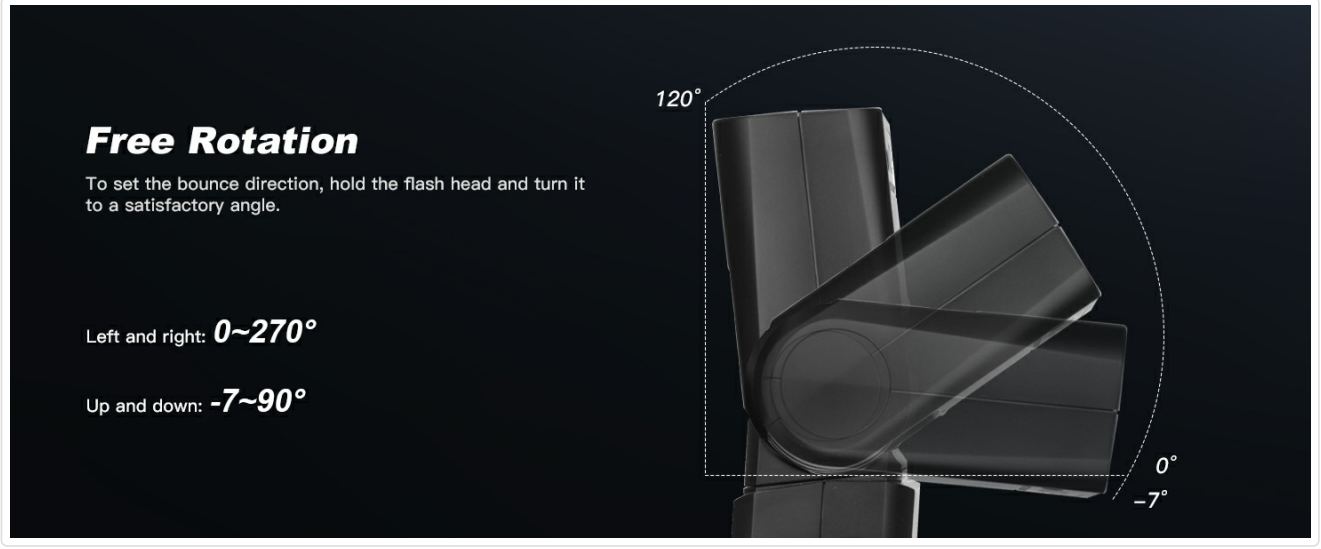


Image: Illustration of the flash head's free rotation, demonstrating its ability to tilt vertically from -7° to 90° and rotate horizontally from 0° to 270°.

5.6 LCD Panel and Buttons

The intuitive LCD panel and four function buttons allow for easy adjustment of settings.

- The LCD displays current mode, power settings, zoom, channel, and group.
- Use the function buttons and select dial to navigate menus and change values.



Image: Detailed view of the TT350's LCD panel, showing its clear display and the four function buttons used for operation.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your flash unit.

- **Cleaning:** Use a soft, dry cloth to clean the flash body. For stubborn dirt, a slightly damp cloth can be used, followed by a dry one. Avoid harsh chemicals or abrasive materials.
- **Lens Cleaning:** Use a lens cleaning cloth and solution specifically designed for optical surfaces to clean the flash head's front element.
- **Storage:** When not in use for extended periods, remove the batteries to prevent leakage. Store the flash in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided protection bag for storage.

- **Hot Shoe Contacts:** Keep the hot shoe contacts clean and free from dust or debris to ensure reliable communication with the camera.

7. Troubleshooting

If you encounter issues with your Godox TT350S, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Flash does not fire.	• Batteries are low or incorrectly inserted. • Flash is not securely mounted on the camera hot shoe. • Flash is in "Off" mode or sleep mode. • Camera flash settings are incorrect.	• Replace or recharge batteries; check polarity. • Ensure flash is fully seated and locked onto the hot shoe. • Press the power button to wake/turn on. • Check camera's external flash settings.
Flash output is too dark/bright.	• Incorrect flash exposure compensation (FEC). • Flash mode (TTL/Manual) is not appropriate for the scene. • Incorrect ISO/aperture settings on camera.	• Adjust FEC on flash or camera. • Switch to TTL for automatic adjustment or adjust manual power. • Verify camera exposure settings.
Wireless trigger not working.	• Incorrect channel/group settings. • Distance too far or obstructions. • Flash is not in Slave mode (when used as slave).	• Ensure all units have matching channel and group settings. • Reduce distance or clear line of sight. • Set flash to Slave mode.
Flash recycle time is slow.	• Low battery power. • Using full power flashes repeatedly.	• Replace or recharge batteries. • Reduce flash power output.

8. Specifications

Detailed technical specifications for the Godox TT350S flash unit:

Main Tech Specs

For full tech specs, see Product Description below.

Exposure control system **TTL / Manual flash**	Battery **Two AA batteries** **(sold separately)**
Guide Number (at Full Power) **≈36(ISO 100, in meters)**	Full Power Flashes **≈210** **(with 2500mA Ni-MH batteries)**
Recycle Time (at Full Power) **≈2.2s**	Flash Power Steps **22 : (1/1~1/128)**
Flash duration(t0.1) **1/350-1/20000S**	Flash duration(t0.1) **Vertical: -7-90°** **Horizontal: 0-270°**
Wireless flash function **Master, Slave, Off** **(Godox 2.4G X wireless system)**	Sync mode **HSS(up to 1/8000s)** **Front curtain sync** **Rear curtain sync**
Size **5.5 * 2.4 * 1.5"**	Weight(without Batteries) **≈200g**

Image: A table summarizing the main technical specifications of the Godox TT350, including exposure control, battery type, guide number, recycle time, flash duration, wireless function, sync mode, size, and weight.

Feature	Detail
Exposure Control System	TTL Autoflash, Manual Flash
Guide Number (at Full Power)	GN36 (ISO 100, in meters)
Flash Coverage	24 to 105mm (Auto/Manual Zoom), 14mm with wide panel
Flash Duration (t0.1)	1/350 to 1/20000 seconds

Feature	Detail
Recycle Time	Approx. 0.1-2.2 seconds (with Ni-MH batteries)
Full Power Flashes	Approx. 210 (with 2500mA Ni-MH batteries)
Flash Power Steps	22 steps (1/1 to 1/128 in 1/3 EV increments)
Wireless Flash Function	Master, Slave, Off (Godox 2.4G X wireless system)
Sync Mode	High-Speed Sync (up to 1/8000s), Front Curtain Sync, Rear Curtain Sync
Power Source	2x AA batteries (Ni-MH or Alkaline)
Dimensions (W x H x D)	5.5 x 1.5 x 2.4 inches (140 x 38 x 62 mm)
Weight (without batteries)	Approx. 13.1 ounces (200g)
Firmware Upgrade	USB port for firmware updates

9. Firmware Updates

The Godox TT350S features a USB port for future firmware updates. Periodically check the official Godox website for the latest firmware versions and instructions to ensure your flash unit has the most up-to-date features and performance enhancements.

10. Support

For further assistance, technical support, or warranty information, please visit the official GODOX store or contact their customer service.

Visit the Official GODOX Store on Amazon

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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